



ASPIRE • BELIEVE • ACHIEVE



## Curriculum Overview: Information Technology

Year 12 Autumn Term 2			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<b>Creating systems to manage information</b>	<p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>Be able to develop a database solution to meet a client brief with appropriate justification</li> <li>Select and configure appropriate RDBMS and SQL tools to produce a database solution to meet client's requirements</li> <li>The role of normalisation to develop efficient data structures</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>Different types of testing: referential integrity, functionality, security</li> <li>Evaluating the software outcome against the given requirements</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>Testing and refining the database solution</li> </ul>	<p>Ability to analyse information about database problems and data from test results to optimise the performance of a database solution</p> <p>Ability to evaluate evidence to make informed judgements about the success of a database's design and performance</p> <p>Ability to be able to develop a database solution to meet a client brief with appropriate justification</p>	<p>Knowitall Ninja - <a href="https://www.knowitallninja.com/courses/creating-systems-to-manage-information/">https://www.knowitallninja.com/courses/creating-systems-to-manage-information/</a></p> <p>Access 2016 – Getting Started            Access 2016 – Queries            Access 2016 – Advanced Queries            Access 2016 – Forms and Reports            Access 2016 – Relational Databases            Access 2016 – Relational Queries, Forms and Reports            Access 2016 – Interfaces</p> <p>BTEC Nationals Information Technology Student Book</p> <p>Revise BTEC National Information Technology Revision Guide</p> <p>Revise BTEC National Information Technology Revision workbook</p> <p><a href="https://qualifications.pearson.com/en/qualifications/btec-nationals/information-technology-2016.html">https://qualifications.pearson.com/en/qualifications/btec-nationals/information-technology-2016.html</a></p>

	<ul style="list-style-type: none"><li>• Evaluating a database development project</li></ul>		
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